

## Agulhas Current ADCP and Temperature data

These files contain ADCP (Acoustic Doppler Current Profiler) data collected on the east coast of South Africa. A total of 51 deployments were made between September 2005 and September 2010. The details of each deployment, including deployment date and time, GPS position and instrument type are given in Table 1. Unfortunately the amount of data which may be uploaded to the Eskom Website is limited, therefore only some of the data (Bin 1) of the first 3 deployments at each site will be made available on the website.

The files are grouped into five main directories, according to the area of deployment – Cape Morgan, East London, Fish River or Port Edward (See Figure 1 for deployment area.)

Underneath each main directory are 2 subdirectories – ADCP currents and Bottom temperature.

The folders contains all the current data for that deployment. The data is given in bins that divide the water column into horizontal sections.

- Only bins where less than 25 % of the current measurements were labeled as ‘bad data’ are included.
- Bin 1 is always closest to the ADCP, with consecutive numbers moving away from the ADCP.
- Depth is the actual or calculated depth in meters of the center of that bin.
- Range is the distance in meters from the ADCPs transducer to the center of that bin.
- Direction is the direction in which the current flows at that specific time and is measured in degrees.
- Magnitude is the current velocity in cm/s.

The folders contain the temperature (°C) measured at the depth of the ADCPs transducer.

Table 1 shows all the deployments made during the Agulhas Current resource assessment.

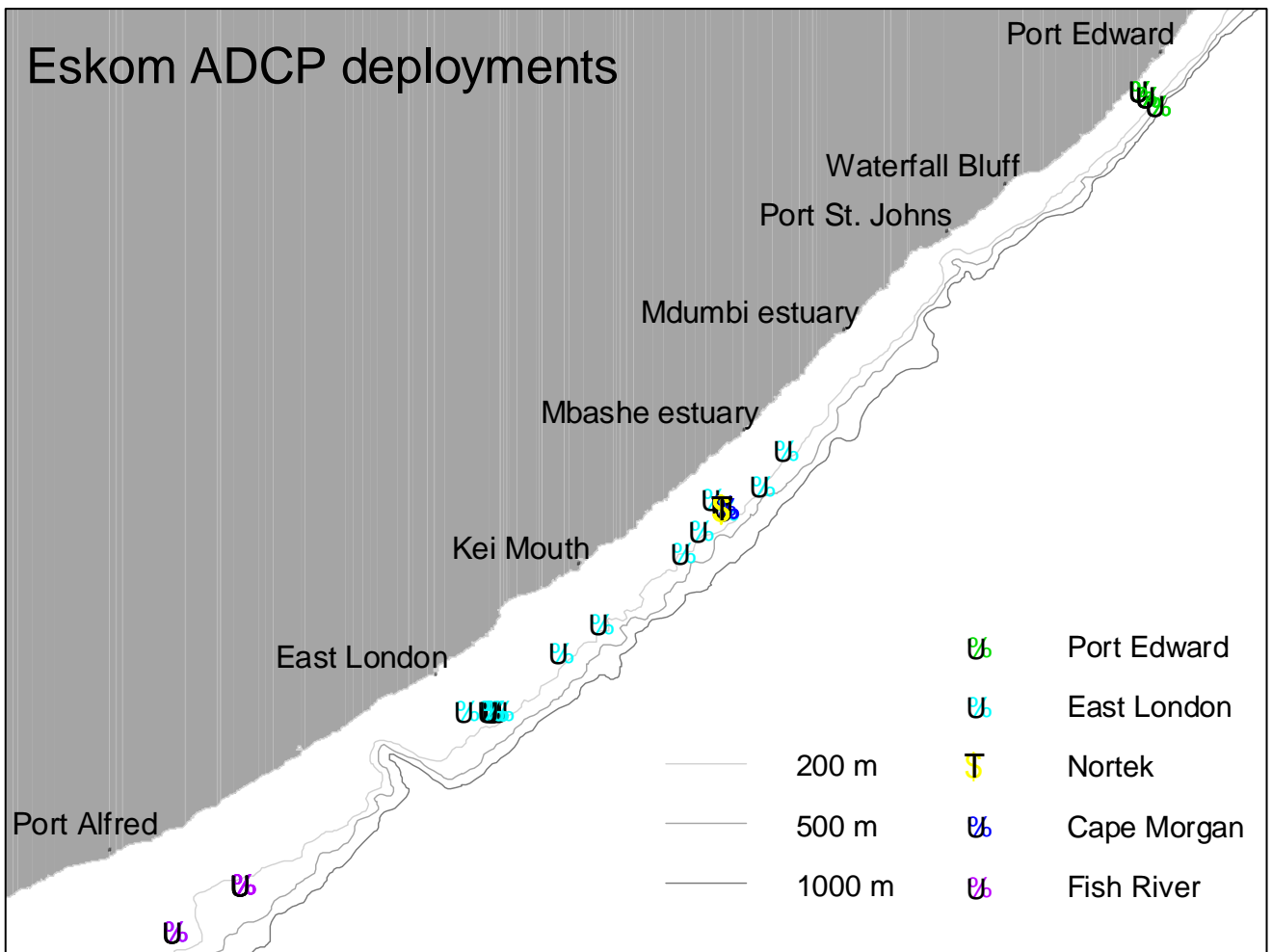
If additional deployment data or information are required, you may contact the applicable Eskom representative:

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011 629 5344

**Table 1: Deployment details for ADCP current meter deployments made on the east coast of South Africa.**

SQ	Filename	ADCP Type	Pressure sensor	Latitude (S)	Longitude (E)	Deployment date	Recovery date	Ship sounding (m)	Position
1	PE751	RDI 75	yes	-31.22263	30.20273	8-Sep-2005 16:44	11-Dec-2005 10:25	156	offshore
2	PE301	RDI 300 + waves	yes	-31.19722	30.17517	8-Sep-2005 17:06	11-Dec-2005 11:20	60	midshelf
3	PE601	RDI 600	yes	-31.17855	30.15253	8-Sep-2005 17:30	11-Dec-2005 12:05	31.8	inshore
4	PE602	RDI 600	no	-31.17860	30.15263	11-Dec-2005 13:58	10-Apr-2006 10:40	32.98	inshore
5	PE302	RDI 300 + waves	yes	-31.19732	30.17480	11-Dec-2005 14:54	10-Apr-2006 09:36	61.74	midshelf
6	PE752	RDI 75	yes	-31.22303	30.20270	13-Dec-2005 17:02	06-Apr-2006 08:22	173.4	offshore
7	EL1901	Nortek	yes	-32.50997	28.83000	14-Dec-2005 02:15	07-Apr-2006 09:10	83.25	midshelf
8	PE603	RDI 600	yes	-31.17865	30.15245	10-Apr-2006 17:30	09-Sep-2006 09:00	32.11	inshore
9	PEM03	RDI 600	no	-31.19753	30.17460	10-Apr-2006 17:50	09-Sep-2006 08:30	62.11	midshelf
10	EL201	Nortek	yes	-32.50717	28.83242	11-Apr-2006 14:45	02-Sep-2006 16:00	82.95	midshelf
11	EL303	RDI 300 + waves	yes	-32.32363	29.02225	11-Apr-2006 17:10	02-Sep-2006 07:00	96	midshelf
12	EL403	RDI 75	yes	-32.96595	28.30622	1-May-2006 19:06	08-Sep-2006 06:45	96	midshelf
13	EL754	RDI 75	yes	-32.57633	28.75208	8-Sep-2006 14:55	12-Dec-2006 08:40	91.99	midshelf
14	EL301	Nortek	yes	-32.50763	28.83210	8-Sep-2006 15:55	12-Dec-2006 10:45	84.78	midshelf
15	EL304	RDI 300	yes	-32.47545	28.79237	8-Sep-2006 16:27	12-Dec-2006 11:45	90	midshelf
16	EL401	Nortek	yes	-32.50753	28.83292	13-Dec-2006 11:28	07-Mar-2007 13:26	81.3	midshelf
17	EL755	RDI 75	yes	-32.64985	28.69545	13-Dec-2006 14:57	07-Mar-2007 15:25	102	offshore
18	EL305	RDI 300	yes	-32.87433	28.43367	13-Dec-2006 20:26	07-Mar-2007 18:02	88.8	midshelf
19	EL501	Nortek	yes	-32.50743	28.83293	8-Mar-2007 06:29	17-Aug-2007 15:34	85.5	midshelf
20	EL756	RDI 75	yes	-32.43732	28.94465	8-Mar-2007 08:45	17-Aug-2007 17:05	196	offshore
21	EL306	RDI 300	yes	-33.15012	28.11602	8-Mar-2007 14:49	14-Aug-2007 11:26	98.7	midshelf
22	EL601	Nortek	yes	-32.50735	28.83287	18-Aug-2007 10:20	06-Dec-2007 15:40	84.84	midshelf
23	EL757	RDI 75	yes	-32.51000	28.83287	18-Aug-2007 10:37	06-Dec-2007 14:52	83.86	midshelf
24	EL307	RDI 300	yes	-33.15005	28.09953	18-Aug-2007 15:19	06-Dec-2007 06:45	83.5	midshelf
25	FR301	RDI 300	yes	-33.85170	27.08120	18-Aug-2007 21:33	05-Dec-2007 16:44	89.6	midshelf
26	EL701	Nortek	yes	-32.50802	28.83293	07-Dec-2007 17:47	30-Mar-2008 08:20	85	midshelf
27	EL308	RDI 300	yes	-33.14983	28.09905	07-Dec-2007 21:07	30-Mar-2008 16:00	85	midshelf
28	FR752	RDI 75	yes	-33.85070	27.08023	08-Dec-2007 01:30	29-Mar-2008 08:30	88	midshelf
29	EL801	Nortek	yes	-32.50754	28.83314	01-Apr-2008 06:05	12-Jul-2008 07:30	87	midshelf

30	EL309	RDI 300	no	-33.14990	28.09933	01-Apr-2008 11:24	11-Jul-2008 15:03	88.7	midshelf
31	FR303	RDI 300	yes	-33.70283	27.29817	1-Apr-2008 16:01	13-Jul-2008 07:24	97	midshelf
32	EL310	RDI 300	yes	-33.14970	28.09903	11-Jul-2008 16:32	10-Dec-2008 17:30	82	midshelf
33	EL901	Nortek	yes	-32.50495	28.83143	12-Jul-2008 13:45	13-Dec-2008 06:50	84.5	midshelf
34	CM301	RDI 300	yes	-32.50737	28.83185	12-Jul-2008 14:06	13-Dec-2008 06:05	82.7	midshelf
35	FR304	RDI 300	no	-33.70290	27.29782	13-Jul-2008 09:41	09-Dec-2008 08:30	96	midshelf
36	FR305	RDI 300	no	-33.70310	27.29803	12-Dec-2008 09:38	4-Feb-2009 03:57	91.72	midshelf
37	EL311	RDI 300	yes	-33.15115	28.09700	12-Dec-2008 17:25	22-Mar-2009 08:30	83.12	midshelf
38	EL1910	Nortek	yes	-32.50560	28.83183	13-Dec-2008 13:23	23-Mar-2009 09:20	86	midshelf
39	CM302	RDI 300	yes	-32.49923	28.82348	13-Dec-2008 13:41	23-Mar-2009 10:10	86	midshelf
40	FR306	RDI 300	yes	-33.70322	27.29727	21-Mar-2009 14:20	24-Aug-2009 08:20	91.5	midshelf
41	EL312	RDI 300	yes	-33.15160	28.08072	23-Mar-2009 11:10	26-Aug-2009 07:20	86.6	midshelf
42	CM303	RDI 300	yes	-32.50638	28.83150	23-Mar-2009 11:10	25-Aug-2009 08:07	83.7	midshelf
43	CM304	RDI 300	no	-32.50790	28.83100	25-Aug-2009 09:15	5-Dec-2009 10:37	83	midshelf
44	EL313	RDI 300	yes	-33.15203	28.08727	26-Aug-2009 08:54	4-Dec-2009 14:30	82.7	midshelf
45	FR307	RDI 300	yes	-33.70333	27.29677	26-Aug-2009 15:24	4-Dec-2009 06:20	84	midshelf
46	EL314	RDI 300	yes	-33.15145	28.00866	4-Dec-2009 14:58	3-Mar-2010 13:15	89.02	midshelf
47	FR308	RDI 300	yes	-33.70335	27.29750	4-Dec-2009 20:06	4-Mar-2010 06:50	93.3	midshelf
48	CM305	RDI 300	no	-32.50733	28.83183	5-Dec-2009 13:39	3-Mar-2010 06:20	85.94	midshelf
49	CM306	RDI 300	no	-32.50725	28.83179	3-Mar-2010 09:10	13-Sep-2010 06:45	84	midshelf
50	EL315	RDI 300	yes	-33.15140	28.08651	3-Mar-2010 15:25	13-Sep-2010 11:30	88	midshelf
51	FR309	RDI 300	yes	-33.71332	27.29745	4-Mar-2010 08:15	3-Sep-2010 15:50	93.2	midshelf



**Figure 1: Map of ADCP deployments made on the south coast of South Africa between September 2005 and September 2010.**